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**In the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. **(Withdrawn)** A method of assembling a snowmobile platform, comprising:  
designing and manufacturing a tunnel subassembly;  
designing and manufacturing an engine cradle subassembly;  
designing and manufacturing a front suspension subassembly;  
wherein at least one of the tunnel subassembly, the engine cradle subassembly, and the front suspension subassembly comprises a group of subassemblies, for each subassembly that comprises a group of subassemblies, selecting one subassembly from the group of subassemblies;  
connecting the tunnel subassembly to the engine cradle subassembly at a rear portion thereof; and  
connecting the front suspension subassembly to the engine cradle subassembly at a front portion thereof to create the snowmobile platform.
2. **(Withdrawn)** The method of claim 1, wherein: the group of tunnel subassemblies comprises a short tunnel subassembly and a long tunnel subassembly.
3. **(Withdrawn)** The method of claim 1, wherein: the group of engine cradle subassemblies comprising a small engine cradle subassembly, a medium engine cradle subassembly, a large engine cradle subassembly, and an extra-large engine cradle subassembly.
4. **(Withdrawn)** The method of claim 1, wherein: the group of front suspension subassemblies includes at least two selected from a group comprising a small platform front suspension subassembly, a large platform front suspension subassembly, a deep snow front suspension subassembly, and a trail front suspension subassembly.
5. **(Withdrawn)** The method of claim 1, further comprising: designing and constructing an upper frame subassembly; and attaching the upper frame subassembly to the snowmobile platform.

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6. **(Withdrawn)** The method of claim 2, wherein each tunnel subassembly comprises: a top with left and right sides, a left side wall extending downwardly from the left side of the top, and a right side wall extending downwardly from the right side of the top, wherein each tunnel subassembly forms an inverted U-shaped tunnel.
7. **(Withdrawn)** The method of claim 6, wherein:  
the width of each tunnel subassembly is selected at least as a function of a width of an endless track selected for attachment to the snowmobile platform; and  
the length of each tunnel subassembly is selected at least as a function of the length of the endless track selected for attachment to the snowmobile platform.
8. **(Withdrawn)** The method of claim 3, wherein each engine cradle subassembly comprises:  
a bottom pan with left, right, front, and rear sides;  
a left side wall attached to the left side of the bottom pan;  
a right side wall attached to the right side of the bottom pan;  
a front wall attached to the front of the bottom pan; and  
a rear wall attached to the rear of the bottom pan.
9. **(Withdrawn)** The method of claim 8, wherein:  
the width of each engine cradle subassembly is selected at least as a function of a size of an engine selected for placement onto the snowmobile platform; and  
the length of each tunnel subassembly is selected at least as a function of the size of the engine selected for placement onto the snowmobile platform.
10. **(Withdrawn)** The method of claim 4, wherein each front suspension subassembly comprises:  
a V-shaped member with left and right sides;  
a left side wall attached to the left side of the V-shaped member;  
a right side wall attached to the right side of the V-shaped member;  
at least four A-arms pivotally connected to the V-shaped member, two on the left side and two on the right side;

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at least one shock absorber connected between the left side wall and one of the A-arms on the left side of the V-shaped member; and

at least one shock absorber connected between the right side wall and one of the A-arms on the right side of the V-shaped member.

11. (Canceled)

12. (Currently amended) The family of snowmobile platform components of claim ~~1+23~~, wherein:

the tunnel subassembly and the engine cradle subassembly are ~~formed-formable~~ integrally as a single component of the platform.

13. (Currently amended) The family of snowmobile platform components of claim ~~1+23~~, wherein:

the engine cradle subassembly is can be attached to the tunnel subassembly.

14. (Currently amended) The family of snowmobile platform components of claim ~~1+23~~, wherein:

the ~~group-subfamily~~ of tunnel assemblies includes ~~at least two selected from a group comprising a short tunnel subassembly and a long tunnel subassembly.~~

15. (Currently amended) The ~~method-family of snowmobile platform components~~ of claim ~~1+23~~, wherein:

the ~~group-subfamily~~ of engine cradle subassemblies includes at least two from a group comprising a small engine cradle subassembly, a medium engine cradle subassembly, a large engine cradle subassembly, and an extra-large engine cradle subassembly.

16. (Currently amended) The ~~method-family of snowmobile platform components~~ of claim ~~1+23~~, wherein:

the ~~group-subfamily~~ of front suspension subassemblies includes at least two selected from a group comprising a small platform front suspension subassembly, a large platform front suspension subassembly, a deep snow front suspension subassembly, and a trail front suspension subassembly.

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17. **(Currently amended)** The family of snowmobile platform components of claim ~~1123~~, further comprising:

an upper frame subassembly ~~connected~~connectable to at least two of the tunnel subassembly, the engine cradle subassembly, and the front suspension subassembly.

18. **(Currently amended)** The family of snowmobile platform components of claim ~~1123~~, wherein the selected tunnel subassembly comprises:

a top with left and right sides,  
a left side wall extending downwardly from the left side of the top, and  
a right side wall extending downwardly from the right side of the top,  
wherein the tunnel subassembly forms an inverted U-shaped tunnel.

19. **(Currently amended)** The family of snowmobile platform components of claim 18, wherein:

the width of the tunnel subassembly is selected at least as a function of a width of an endless track selected for attachment to the snowmobile platform; and

the length of the tunnel subassembly is selected at least as a function of a length of the endless track selected for attachment to the snowmobile platform.

20. **(Currently amended)** The family of snowmobile platform components of claim ~~1123~~, wherein the selected engine cradle subassembly comprises:

a bottom pan with left, right, front, and rear sides;  
a left side wall attached to the left side of the bottom pan;  
a right side wall attached to the right side of the bottom pan;  
a front wall attached to the front of the bottom pan; and  
a rear wall attached to the rear of the bottom pan.

21. **(Currently amended)** The family of snowmobile platform components of claim 20, wherein:

the width of the engine cradle subassembly is selected at least as a function of a size of an engine selected for placement onto the snowmobile platform; and

the length of the tunnel subassembly is selected at least as a function of the size of the engine selected for placement onto the snowmobile platform.

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22. (Currently amended) The family of snowmobile platform components of claim 11~~23~~, wherein the selected front suspension subassembly comprises:

- a V-shaped member with left and right sides;
- a left side wall attached to the left side of the V-shaped member;
- a right side wall attached to the right side of the V-shaped member; at least four A-arms pivotally connected to the V-shaped member, two on the left side and two on the right side;
- at least one shock absorber connected between the left side wall and one of the A-arms on the left side of the V-shaped member; and
- at least one shock absorber connected between the right side wall and one of the A-arms on the right side of the V-shaped member.

23. (New) A family of snowmobile platform components comprising:

- a subfamily of front suspension subassemblies, the subfamily of front suspension subassemblies including at least two members having different characteristics;
- a subfamily of engine cradle subassemblies, the subfamily of engine cradle subassemblies including at least two members having different characteristics;
- a subfamily of tunnel subassemblies, the subfamily of tunnel subassemblies including at least two members having different characteristics;

wherein each member of the subfamily of front suspension subassemblies is connectable to each member of the subfamily of engine cradle subassemblies, and wherein each member of the subfamily of tunnel subassemblies is connectable to each member of the subfamily of engine cradle subassemblies,

whereby a snowmobile platform is formable at least in part by a combination of a front suspension subassembly selected from the subfamily of front suspension subassemblies, an engine cradle subassembly selected from the subfamily of engine cradle subassemblies and a tunnel subassembly selected from the subfamily of tunnel subassemblies.

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